

**PRODUCTION OF LOW ALPHA-OLEFIN POLYMER**

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**Abstract of JP8283332**

**PURPOSE:** To obtain an improved process for producing a low  $\alpha$ -olefin polymer in the presence of a chromium catalyst, the process having been improved so that a by-product polymer and the catalyst component can be efficiently removed, enabling the low  $\alpha$ -olefin polymer to be produced industrially advantageously. **CONSTITUTION:** A low polymn. of an  $\alpha$ -olefin is conducted in a solvent in the presence of a catalyst system at least comprising a chromium compd., at least one compd. selected from among an amine, an amide, and an imide, and an alkylaluminum compd. Then, after a by-product polymer is precipitated, separated, and removed from the reaction soln, the catalyst component is condensed and separated at the step of separation by distillation.

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